

## INDEX

## AUTORSKI INDEKS — AUTHORS INDEX

ORIGINALNI ZNANSTVENI RADOVI (OP) — ORIGINAL SCIENTIFIC PAPERS (OP)  
BILJEŠKE (N) — NOTES (N)PRETHODNA SAOPĆENJA (PC) — PRELIMINARY COMMUNICATIONS (PC)  
PREDAVANJA (P) — CONFERENCE PAPER (P)

- Albright, A.: vidi Kang, S.-K.
- Alyea, E. C. Dias, S. A., Ferguson, G. and Siew, P. Y.: Structural Studies of Steric Effects in Phosphine Complexes. Part XII. Synthesis, Characterization, and Crystal and Molecular Structure of Bis(trifluoroacetato)(trimesitylphosphine)mercury(II) Dimer,  $[\text{Hg}(\text{CF}_3\text{CO}_2)_2\text{P}(\text{mesityl})_2]$  (OP) . . . . . 457
- Andreotti, G. D.: vidi Matijajić, I.
- Anh, Nguyễn, T.: vidi Volatron, F.
- Argay, G.: vidi Kálmán, A.
- Aufderheide, K. H.: A Localized Atomic Orbital Description of the Rotational Barrier in Ethane (OP) . . . . . 811
- Avbelj, F.: vidi Hadži, D.
- Babnik, J., Lah, T., Cotić, V. and Turk, V.: Anticathepsin D Antibody-Sepharose Chromatography of Human Cathepsin D (OP) . . . . . 425
- Balaban, A. T. and Tomescu, I.: Chemical Graphs. XL. Three Relations Between the Fibonacci Sequence and the Numbers of Kekulé Structures for Non-branched cata-Condensed Polycyclic Aromatic Hydrocarbons (OP) . . . . . 391
- Balasubramanian, K.: Recent Applications of Group Theoretical Generators to Chemical Physics (OP) . . . . . 1525
- Balić Zunić, T., Šćavničar, S. and Grobowski, Z.: The Structure of Thorium (IV) Dinitate(IV) Oxide,  $\text{ThTi}_2\text{O}_6$  (OP) . . . . . 645
- Ballhausen, C. J.: The  $E \otimes e$  Jahn-Teller Coupling: Models and Manifestations (AR) . . . . . 1097
- Ban, Z.: vidi Pušelj, M.
- Bansal, R. K.: vidi Hussain, M. F.
- Baranović, G.: vidi Colombo, L.
- Barbier, C.: vidi Del Re, G.
- Bartell, L. S.: Do the VSEPR Points-on-a-Sphere Repulsions Simulate Quantum Interactions? (OP) . . . . . 927
- Basilevsky, M. V., Weinberg, N. N. and Zhulin, V. M.: Where is the Limit to which the Qualitative Theory of Chemical Reactivity can be Extended? Study of Dienophilic Activity of Cyanoethylenes (OP) . . . . . 1423
- Battaglia, L. P., Bonamartini Corradi, A. and Nardelli, M.: Structural Aspects of 2-Thioimidazolidine Coordination in Silver(I) Halide Complexes (OP) . . . . . 545
- Beauchamp, A. L.: vidi Charland, J.-P.
- Belić, D.: vidi Malinar, K. J.
- Beno, M. A., Sundell, R. and Williams, J. M.: The Hydrogendifluoride Anion in an Asymmetric Crystalline Environment: The Crystal and Molecular Structure of Trithioureathellurium(II) Di(Hydrogendifluoride) (OP) . . . . . 695
- Bernardi, F., Bottoni, A. and Tonachini, G.: A Quantitative Analysis of the Role of Non-Bonded and Geminal Interactions in  $\text{H}_2\text{N}-\text{X}$  Molecules (OP) . . . . . 911

## XVI

- Bezjak, A.: vidi Matijašić, I.
- Biruš, M., Kujundžić, N., Pribanić, M. and Tabor, Z.: Equilibrium Studies on Complexation of Iron(III) by Acet-, Glycinium and Betaine Hydroxamic Acids (OP) . . . . . 313
- Bloor, J. E. and Sherrod, R. E.: An Overlapping Spheres Multiple Scattering Xa Study of the Perfluoro Effect on the Ionization Potentials and Electron Transmission Spectra of Fluorosubstituted Benzenes (OP) . . . . . 1011
- Boldyrev, A. I.: vidi Kellö, V.
- Bonamartini Corradi, A.: vidi Battaglia, L. P.
- Borčić, S.: vidi Ladika, M.
- Bottoni, A.: vidi Bernardi, F.
- Božić, B.: vidi Tušek-Božić, Lj.
- Branica, M.: vidi Lovrić, M.
- Brdar, B.: vidi Kobe, J.
- Bresciani-Pahor, N., Orbell, J. D. and Randaccio, L.: Steric Influences in Octahedral Cobaloximes. The Crystal and Molecular Structure of *trans*-methylbis(dimethylglyoximate)(phosphite)cobalt-(III) Complex with Phosphite = P(OMe)<sub>2</sub>Ph and P(OMe)Ph<sub>2</sub> (OP) . . . . . 433
- Brničević, N., Mesarić, Š., Schäfer, H.: Cluster Hydroxides of the Composition M<sub>2</sub>[Ta<sub>6</sub>Cl<sub>12</sub>](OH)<sub>6</sub>·nH<sub>2</sub>O, with M=Na, K, Rb, (CH<sub>3</sub>)<sub>4</sub>N<sup>+</sup> and (C<sub>2</sub>H<sub>5</sub>)<sub>4</sub>N<sup>+</sup>; Air Oxidation of the Cluster Unit [Ta<sub>6</sub>Cl<sub>12</sub>]<sup>2+</sup> in Alkaline Medium (OP) . . . . . 529
- Bronzan-Planinić, P. and Meider, H.: Synthesis and Characterization of Cobalt(II), Nickel(II), and Copper(II) Chloride Complexes with Bis-[(diphenylphosphinyl)methyl]phenylphosphine Oxide and Bis[(diphenylphosphinyl)methyl]-phosphinic Acid (OP) . . . . . 477
- Bukovec, P.: vidi Demšar, A.
- Burdett, J. K., Lee, S. and Sha, W. C.: The Method of Moments and Energy Levels in Molecules and Solids (OP) . . . . . 1193
- Butula, I.: vidi Proštenik, M. V., Dumić, M.
- Cachau, R. E.: vidi Villar, H. O.
- Carpenter, G. B.: The Conventional Bravais Unit Cell from Diffractometer Data (OP) . . . . . 491
- Carter, C. and Murrell, J. N.: Analytical Two-valued Potential Energy Functions for the Ground State Surfaces of CO<sub>2</sub> ( $\tilde{X}^1\Sigma_g^+$ ) and CS<sub>2</sub> ( $\tilde{X}^1\Sigma_g^+$ ) (OP) . . . . . 355
- Castro, E. A.: vidi Villar, H. O.
- Chandravanshi, B. S. and Gupta, V. K.: Extraction and Spectrophotometric Determination of Cerium(IV) with *N*-*p*-Chlorophenylcinnamohydroxamic Acid (OP) . . . . . 243
- Charland, J.-P. and Beauchamp, A. L.: Crystal Structure and Infrared Spectra of Anhydrous (Adeninato)methylmercury(II) (OP) . . . . . 679
- Coffou, E.: vidi Galešić, N.
- Colombo, L., Baranović, G., Durig, J. R. and Stanley, A. E.: Polarized Infrared Spectra of Toluene Single Crystal (OP) . . . . . 629
- Cotić, V.: vidi Babnik, J.
- Cremer, D. and Kraka, E.: A Description of the Chemical Bond in Terms of Local Properties of Electron Density and Energy (OP) . . . . . 1259
- Crnjak Orel, Z.: vidi Kobe, J.
- Csépes, Z.: vidi Kapuy, E.
- Cvetkovska, M., Grčev, T. and Petrov, G.: Investigations Electrochimiques des Systèmes Rédox: Fe<sup>3+</sup>, Fe(III)-Complexe, Cu<sup>2+</sup>, Cu(II)-Complexe-*meta*-Bisulfite de Sodium, Initiateurs de Polymérisation de l'Acrylamide en Milieu Aqueux (OP) . . . . . 201

Celap, M. B.: vidi Malinar, M. J.	
Deacon, G. B., Florenti, A., Hughes, M. and Larkins, F. P.: An Investigation of the Acceptor Properties of Some Organomercurials by Molecular Weight Measurements and X-ray Photoelectron Spectroscopy (OP)	757
Del Re, G. and Barbier, C.: In Situ Atomic Orbitals and Extended Basis Molecular Calculations (OP)	787
Demšar, A. and Bukovec, P.: Synthesis and Crystal Structure of Tetraethylammonium Di- $\mu$ -fluoro-bis-[aquadifluoro-oxovanadate(IV)] (OP)	673
Deprick, B.: vidi Julg, A.	
Dias, S. A.: vidi Alyea, E. C.	
Doppelt, P., Fischer, J. and Weiss, R.: Synthesis and Structure of a Dimer-capped-Iron(III) Porphyrin Derivative: $[\text{Fe}(\text{SC}_6\text{HF}_4)_2\text{TPP}][\text{NaC}_{18}\text{H}_6]$ , $\text{C}_6\text{H}_6$ (OP)	507
Dua, S. K., Kapur, V. and Sahni, S. K.: Titanyl(IV), Zirconyl(IV), Hafnium(IV) and Uranyl(VI) Complexes of Terdentate Benzoyl Hydrazones (OP)	109
Dumić, M., Proštenik, M. V., Fabijanić, J. und Butula, I.: Chemie der 1,3-Dioxepine. III. Palladium-katalysierte Isomerisierung von 4,7- zu 6,7-Dihydro-1,3-dioxepine (OP)	405
Dumić, M.: vidi Proštenik, M. V.	
Durig, J. R.: vidi Colombo, L.	
Djokić, S., Gašpert, B., Lukić, I., Mandić, Z., Šimunić, B., Tomić, T. and Maasböl, A. G.: N-4-Chlorobutyryl Aminoacids as a Common Intermediate in the Synthesis of N-Alkylamides of 2-Oxo-Pyrrolidine and L-Aspartyl-L-Phenylalanine Esters (OP)	271
Eaton, H. H.: vidi Epiotis, N. D.	
Eckert-Maksić, M.: vidi Maksić, Z. B.	
El-Basil, S.: An Easy Combinatorial Algorithm for the Construction of Sextet Polynomials of Cata-condensed Benzenoid Hydrocarbons (OP)	1
El-Basil, S.: Molecular Topology and Molecular Properties I. »Sequence« Labels of Cata-condensed Benzenoid Hydrocarbons Containing up to Five Rings (OP)	21
El-Basil, S.: On a Graph-Theoretical Approach to Kekulé Structures. Novel Identities of Sextet Polynomials and a Relation to Clar's Sextet Theory (OP)	47
El-Basil, S., Krivka, P. and Trinajstić, N.: Application of the Dualist Model. Generation of Kekulé Structures and Resonant Sextets of Benzenoid Hydrocarbons (OP)	339
Elia, A. E., Lingafelter, E. C. and Schomaker, V.: The Crystal Structure of (2,3,9,10-tetramethyl-1,4,8,11-tetraaza-1,3,8,10-cyclotetradecatetraene) copper(II) Tetraphenylborate (OP)	653
Ellzey, Jr., M. L.: Derivation of the AOM Parametrization from the Effective Hamiltonian for Complexed Transitional Metal Ions with Application to Effectively Tetragonal Four-Coordinate Systems (OP)	1107
Engel, P. and Nowacki, W.: Refinement of the Crystal Structure of Synthetic $\text{Ti}_3\text{AsS}_4$ (OP)	499
Epiotis, N. D., Larson, J. R. and Eaton, H. H.: »Common Denominators« by the MOVB Method: The Structures of $\text{H}_2\text{O}$ , $\text{H}_2\text{O}_2$ and their Derivatives (OP)	1031
Fabijanić, J.: vidi Dumić, M.	
Ferguson, G.: vidi Alyea, E. C.	
Fischer, J.: vidi Doppelt, P.	
Fleš, D.: vidi Matijašić, I.	
Florenti, A.: vidi Deacon, G. B.	
Frierson, M. R.: vidi Klopman, G.	
Galabov, B., Nikolova, B. and Orville-Thomas, W. J.: Infrared Band Intensities, Electronic Charge Distribution in Molecules and Polar Properties of Valence Bonds (AR)	1145

## XVIII

Galešić, N., Matković, B., Topić, M., Coffou, E. and Šljukić, M.: The Crystal Structure of Disodium Thorium Bisphosphate, $\text{Na}_2\text{Th}(\text{PO}_4)_2$ (OP) . . .	597
Garcia-Leigh, A. and Murrell, J. N.: On the Stability of $\text{BH}_3$ and $\text{BF}_3$ Adducts with $\text{BF}$ , $\text{CO}$ and $\text{N}_2$ (OP) . . .	879
Gašpert, B.: vidi Djokić, S.	
Geiser, U.: vidi Willett, R. D.	
Gimarc, B. M.: Nonbonded Bond Orders, Molecular Conformations and Relative Stabilities of Sulfur-Nitrogen Rings and Chains (OP) . . .	955
Golić, Lj., Leban, I. and Šegedin, P.: Behaviour of Dimolybdenum Tetraacetate in Aqueous Solutions of Hydrogen Halides. Synthesis and Crystal Structures of $(\text{pyH})_2[\text{Mo}_2(\text{O}_2\text{CCH}_3)_4\text{Br}_2]$ and Two Modifications of $(\text{pyH})_2[\text{Mo}_2(\text{O}_2\text{CCH}_3)_4\text{I}_2]$ (py = pyridine) (OP) . . .	565
Graovac, A. and Polansky, O. E.: Topological Effect on Molecular Orbitals. Part 8. A Study of Two Further Classes of Topological Related Isomers (OP) . . .	1595
Grčev, T.: vidi Cvetkovska, M.	
Grđinić, V. and Jakševac-Mikša, M.: Microdetection of Some Biologically Active Thiol Compounds with Sodium Pentacyanoammineferrate(II) on Ion-Exchange Resin Grains (OP) . . .	411
Grobenski, Z.: vidi Balić Zunić, T.	
Grodzicki, M.: The Applicability of Point-Charge Approximations to the Calculations of Molecular Expectation Values (OP) . . .	1125
Grzonka, M., Knop, J. V., Klasinc, L. and Trinajstić, N.: Theoretical Studies on Small Ring Heteropropellanes. Oxapropellanes (NP) . . .	1629
Gupta, V. K.: vidi Chandravanshi, B. S.	
Habuš, I.: vidi Rapić, V.	
Hada, M.: vidi Nakatsuji, H.	
Haddon, R. C. and Roth, H. D.: Homoconjugation in Radical Cations (OP) . . .	1165
Hadži, D., Hodoček, M., Kocjan, D., Šolmajer, T. and Avbelj, F.: The Molecular Electrostatic Potentials as a Determinant of Receptor-Drug Recognition (OP) . . .	1065
Heilbronner, E.: vidi Honegger, E.	
Herak, J. J.: vidi Kojić-Prodić, B.	
Herak, R. M.: vidi Prelesnik, B. V.	
Herceg, M., Matković, B., Sevdlić, D., Matković-Čalogović, D. and Nagl, A.: A Folded Conformation of 1,4,8,11-Tetrathiacyclotetradecane in its Mercury Compound: 1,4,8,11-Tetrathiacyclotetradecanedipicratomercury(II) Heminitromethane, $[\text{Hg}(\text{C}_{10}\text{H}_{20}\text{S}_4) \cdot (\text{C}_6\text{H}_2\text{N}_3\text{O}_7)_2] \cdot 1/2\text{CH}_3\text{NO}_2$ (OP) . . .	609
Hergold-Brundić, A.: vidi Kamenar, B.	
Herman, Z. S. and Pauling, L.: Hybrid Bond Orbitals and Bond Strength for Pentacovalent Bonding (OP) . . .	765
Herndon, W. C.: vidi Szentpály, L. v.	
Hirano, T. and Ōsawa, E.: On the Correspondence between Molecular Orbital Energies and Empirical Force Field Potential Terms (OP) . . .	1633
Hodoček, M., Kocjan, D. and Šolmajer, T.: <i>Ab Initio</i> MO Study of Hydrogen Bonded Complex: Noradrenaline-Formic Acid (OP) . . .	65
Hodoček, M.: vidi Hadži, D.	
Holley, W. W.: vidi Watson, W. H.	
Honegger, E., Yang, Z.-z. and Heilbronner, E.: The Equivalent Bond Orbital Model Revisited: I. Orbitals, Orbital Energies and PE Spectra of Saturated Hydrocarbons (OP) . . .	967
Hoppe, R.: vidi Nowitzki, B.	
Hubač, I.: vidi Kellö, V.	
Hughes, M.: vidi Deacon, G. B.	

Hussain, M. F., Bansal, R. K. and Puri, B. K.: Solid/liquid Separation after Liquid-liquid Extraction: Spectrophotometric Determination of Cobalt By Extraction of its 2-Methoxyethyl Xanthate in Molten Naphthalene (OP)	219
Ip, W.-K. and Li, W.-K.: MNDO Study of the Dimerization of Borane (OP)	1451
Jain, R.: Elucidation of the Structure of Some Potential Antidiabetic Pyrazolin-5-ones Using Polarographic Technique (OP)	235
Jakševac-Mikša, M.: vidi Grdinić, V.	
Jamnický, B.: vidi Mulac-Jeričević, B.	
Jean, Y.: vidi Volatron, F.	
Jug, K.: Bond Order as a Tool for Molecular Structure and Reactivity (AR)	941
Julg, A.: The Problem of Enantiomers: Support for a New Interpretation of Quantum Mechanics (OP)	1497
Julg, A. and Deprick, B.: Theoretical Study of Adsorption of Carbonyl Compounds on Ionic Crystals: I. Formaldehyde, Glyoxal, <i>o</i> - and <i>p</i> -Benzoquinone on the (100) Face of Sodium Chloride (OP)	85
Kálmán, A., Argay, G., Ribár, B., Vladimirov, S. and Živanov-Stakić, D.: Crystal and Molecular Structure of 3 $\beta$ -Hydroxy-14,15 $\beta$ -epoxy-5 $\beta$ 14 $\beta$ -card-20,22-enolide (Digirezigenin) (OP)	519
Kamenar, B., Penavić, M. and Hergold-Brundić, A.: The Crystal Structure of Phenylmercury(II) Trifluoroacetate and the Refinement of the Crystal Structure of Phenylmercury(II) Acetate (OP)	145
Kamenar, B., Penavić, M. and Marković, B.: The Crystal Structure of Pyridinium $\mu$ -salicylato-tetrachloro- $\mu$ -oxo- $\mu$ -ethoxy- $\mu$ -dioxodimolbdate(V) (OP)	637
Kang, S.-K., Albright, T. A. and Silvestre, J.: The Bonding of P <sub>4</sub> to d <sup>8</sup> -ML <sub>3</sub> Complexes (OP)	1355
Kapur, V.: vidi Dua, S. K.	
Kapuy, E., Csépes, Z. and Kozmutza, C.: Many-Body Perturbation Theory Based on Localized Orbitals (AR)	855
Keglević, D.: vidi Mulac-Jeričević, B.	
Kellö, V., Hubač, I., Boldyrev, A. I. and Spirko, V.: <i>Ab Initio</i> MBPT(4) Calculations of the Inversion Potential Function of NH <sub>3</sub> (OP)	1661
Kibler, M.: Symmetry Adaptation and Wigner-Racah Algebras in Quantum Chemistry (AR)	1075
Kibler, M. and Négadi, T.: On the Use of Nonbijective Canonical Transformations in Chemical Physics (OP)	1509
Kidrič, J.: vidi Kobe, J.	
Kirtman, B. and Palke, W. E.: Factors Governing Nuclear Geometry and Bond-Orbital Directions in Second Row AM <sub>2</sub> Molecules (OP)	1247
Klasinc, L.: vidi Grzonka, M.	
Klessinger, M.: Fragment Molecular Orbitals for Molecules and Interacting Systems (AR)	887
Klopman, G. and Frierson, M. R.: The Alpha-Effect. A Theoretical Study Incorporating Solvent Effects (OP)	1411
Knop, J. V.: vidi Grzonka, M.	
Kobe, J., Crnjak Orel, T. and Kidrič, J.: Complex Formation Between the Antiviral Nucleoside Ribavarin (1- $\beta$ -D-Ribofuranosyl-1,2,4-Triazole-3-Carboxamide) and Bivalent Metal Ions: <sup>1</sup> H and <sup>13</sup> C NMR Studies, and Comparison with Inosine (OP)	165
Kobe, J., Rusjakovski, B. and Brdar, B.: The Synthesis and Antiviral Activities of 2-Substituted Azino-3- $\beta$ -D-ribofuranosyl and $\alpha$ and $\beta$ -D-arabifuranosyl-5-carbamoylmethylenethiazolidine-4-ones (OP)	295
Kocjan, D.: vidi Hodošček, H.: Hadži, D.	
Kojić-Prodić, B., Ružić-Toroš, Z., Snatzke, G. and Herak J. J.: An Absolute Configuration of (1R, 4R, 5R)-4-Methoxy-8-acetyl-7,7-dimethyl-6-thia-3,8-diazabicyclo[2.2.1]octan-2-one, C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S (OP)	661

Korpar-Čolig, B., Popović, Z. and Sikirica, M.: Mercuration of Some Aliphatic Aldehydes. The Crystal Structure of 2,2-Bis(chloromercuri)butyraldehyde (OP) . . . . .	689
Koukoulas, A. and Whitehead, M. A.: Penetration in the CNDO Theory (OP) . . . . .	1225
Kovačević, K. Maksić, Z. B. and Moguš-Milanković, A.: Geometry of Molecules. Part 7. Interatomic Distances, Bond Angles and Strain Energies in Some Rotenes and Related Spirocompounds by the IMO Method (OP) . . . . .	187
Kozumtza, C.: vidi Kapuy, E.	
Kraka, E.: vidi Cremer, D.	
Krivka, P.: vidi El-Basil, S.	
Krygowsky, T. M., Wieckowski, T. and Sokolowska, A.: Infrared and Raman Studies of Carbonyl Group Frequencies of <i>p</i> -Substituted Benzoic Acids in the Crystalline State (OP) . . . . .	229
Kujundžić, N.: vidi Birus, M.	
Kuz'mina, L. G. and Struchkov, Y. T.: Structural Chemistry of Organomercury Compounds. Role of Secondary Interactions (AR) . . . . .	701
Kvasnička, V.: Second-Quantization Formalism for Geminals (OP) . . . . .	1643
Kveder, S.: vidi Mulac-Jerličević, B.	
Ladika, M. and Sunko, D. E.: Allylic Cations in Solvolysis. A Case of Non-Participation (PC) . . . . .	179
Ladika, M., Sunko, D. E. and Borčić, S.: Solvolysis Rate of 3-Methyl-2-(3-pentynyl)-2-cyclohexenyl <i>p</i> -Nitrobenzoate. A Model System for $\pi$ -Participation of the CC Triple Bond (OP) . . . . .	331
Lah, T.: vidi Babnik, J.	
Larkins, F. P.: vidi Deacon, G. B.	
Larson, J. R.: vidi Epiotis, N. D.	
Lasić, D. D., Marcondes, M. E., Reeves, L. W. and Szarka, M.: Micelle Forms in Lyotropic Nematics and Cholesterics (OP) . . . . .	129
Lazar, D.: vidi Radivojević, P.	
Leban, I.: vidi Golić, Lj.	
Lee, S.: vidi Burdett, J. K.	
Li, W.-K.: vidi Ip, W.-K.	
Lingafelter, E. C.: vidi Elia, A. E.	
Lovrić, M., Magjer, T. and Branica, M.: Electrochemical Kinetic Measurements and Metal Speciation with the Vibrating Dropping Mercury Electrode (OP) . . . . .	153
Luken, W. L.: Properties of the Fermi Hole in Molecules (OP) . . . . .	1283
Lukić, I.: vidi Djokić, S.	
Maasböl, A. G.: vidi Djokić, S.	
Mackay, A. L.: Descriptors for Complex Inorganic Structures (OP) . . . . .	725
Magjer, T.: vidi Lovrić, M.	
Maksić, Z. B., Eckert-Maksić, M. and Rupnik, K.: Model Description of Some Molecular Properties by the Modified-Atom-in-a-Molecule (MAM) Approach (AR) . . . . .	1295
Maksić, Z. B.: vidi Kovačević, K.	
Malinar, M. J., Radivojša, P. N., Marković, K., Belić, D. and Čelap, M. B.: Synthesis and Configuration of New Isomers of the Bis(aminocarboxylato)carbonatocobaltate(III) Ion (OP) . . . . .	443
Mandić, Z.: vidi Djokić, S.	
Manojlović-Muir, Lj. and Muir, K. W.: A Novel Pt(II)—Pt(IV) Mixed Valence Complex: The Crystal and Molecular Structure of [LP( $\mu$ -I) ( $\mu$ -Me <sub>2</sub> PCH <sub>2</sub> PM <sub>2</sub> ) <sub>2</sub> PtMe <sub>3</sub> ] [I <sub>3</sub> ], L=0.45I+0.55Me (OP) . . . . .	587
Marcondes Helene, M. E.: vidi Lasić, D. D.	
Marković, B.: vidi Kamenar, B.	

- Marković, K.: vidi Malinar, M. J.
- Matijasić, I., Andreotti, G. D., Sgarabotto, P., Bezjak, A. and Fleš, D.: Crystal and Molecular Structure of (S)- $\alpha$ -(p-Bromobenzenesulphonamido)- $\beta$ -propiothiolactone (OP) . . . . . 621
- Matković, B.: vidi Galesić, N.; Herceg, M.
- Matulić-Adamić, J.: vidi Škarić, V.
- McWeeny, R.: Weak Interactions Between Molecules (OP) . . . . . 865
- Meider, H.: vidi Bronzan-Planinić, P.
- Mesarić, S.: vidi Brničević, N.
- Milat, O.: vidi Težak, D.
- Milinski, N.: vidi Radivojević, P.
- Moffat, J. B.: Partitioning and Additivity of the Chemical Bond (OP) . . . . . 1475
- Moguš-Milanković, A.: vidi Topić, M., Kovačević, K.
- Muir, K. W.: vidi Manojlović-Muir, Lj.
- Mulać-Jeričević, B., Vranešić, B., Kveder, S., Jamnický, B. and Keglević, D.: Crystalline Suspension of Bovine Zinc Des-AlaB30-Insulin with Prolonged Hypoglycaemic Activity (OP) . . . . . 289
- Murrell, J. N.: vidi Carter, C.; Garcia-Leigh, A.
- Nagl, A.: vidi Herceg, M.
- Nakatsuji, H. and Hada, M.: Interaction of the Hydrogen Molecule with the Palladium Atom. A Force Theoretic Study (OP) . . . . . 1371
- Náray-Szabó, G.: Chemical Fragmentation for Molecular Orbital Calculations on Proteins (OP) . . . . . 901
- Nardelli, M.: vidi Battaglia, L. P.
- Négadi, T.: vidi Kibler, M.
- Nikolova, B.: vidi Galabov, B.
- Nowacki, W.: vidi Engel, P.
- Nowitzki, B. and Hoppe, R.: Eine Bemerkung über  $K_2[NiO_2]$  (OP) . . . . . 537
- Orbell, J. D.: vidi Bresciani-Pahor, N.
- Ortoleva, E. and Simonetta, M.: A Theoretical Study of the Influence of Surface Structure on Chemisorption of Nitrogen on Iron Single-Crystal Faces (OP) . . . . . 1387
- Orville-Thomas, W. J.: vidi Galabov, B.
- Ōsawa, E.: vidi Hirano, T.
- Palke, W. E.: On Determining Orbital Hybridization (OP) . . . . . 779
- Palke, W. E.: vidi Kirtman, B.
- Pauling, L.: vidi Herman, Z. S.
- Pavela-Vrančić, M.: vidi Škarić, V.
- Penavić, M.: vidi Kamenar, B.
- Persico, M. and Tomasi, J.: An Evaluation of Solvent Effects on Isomerization Mechanisms in Diimide and Methylenimine (OP) . . . . . 1395
- Petrongolo, C.: Non Adiabatic Effects and Radiationless Transition (OP) . . . . . 1485
- Petrov, G.: vidi Cvetkovska, M.
- Polansky, O. E.: vidi Graovac, A.
- Politzer, P. and Zilles, B. A.: Some Observations Concerning Electronic Densities, Electrostatic Potential and Chemical Potential (OP) . . . . . 1055
- Popović, S.: Application of Bell-Shaped Functions in X-ray Diffraction Broadening Analysis (OP) . . . . . 749
- Popović, Z.: vidi Korpar-Čolig, B.
- Prelesnik, B. V. and Herak, R. M.: The Crystal Structure of *trans*(NO<sub>2</sub>, N=C—CH<sub>3</sub>)-(N-ethylidene-ethylenediamine)-glycylglycinatonitrocobalt (III) Monohydrate, [Co(glygly)-NO<sub>2</sub>(CH<sub>3</sub>CH=en)]·H<sub>2</sub>O (OP) . . . . . 577



## XXII

- Pribanić, M.: vidi Biruš M.
- Proštenik, M. V., Dumić, M. and Butula, I.: Chemistry of 1,3-Dioxepins. II. Dehydrohalogenation of 5,6-Dihalogen-1,3-Dioxepanes with Strong Bases (OP) . . . . . 281
- Proštenik, M. V.: vidi Dumić, M.
- Puri, B. K.: vidi Hussain, M. F.
- Pušelj, M., Ban, Z. and Sztula, A.: The Crystal Structure and Magnetic Properties of the  $\text{Cu}_2\text{MnAl}_{1-x}\text{Hg}_x$  System (OP) . . . . . 669
- Radivojević, P., Milinski, N., Ribár, B. and Lazar, D.: The Crystal Structure of the Complex  $[\text{Y}(\text{H}_2\text{O})_5(\text{NO}_3)_2][\text{Y}(\text{H}_2\text{O})_2(\text{NO}_3)_4]$  (OP) . . . . . 451
- Radivojša, N.: vidi Malinar, M. J.
- Randaccio, L.: vidi Bresciani-Pahor, N.
- Raos, N. and Simeon, V.I.: Conformational Analysis of Bis(*N,N*-dimethylisoleucinato)-Copper(II): Estimation of the Diastereoselectivity Effect by Means of two Approximate Methods (OP) . . . . . 1217
- Rapić, V. and Habuš, I.: Ferrocene Compounds. XII. Reactions of Ferrocenecarbaldehyde with Benzanilides and *n*-Butyllithium (OP) . . . . . 265
- Reeves, L. W.: vidi Lasić, D. D.
- Ribár, B.: vidi Kálmán, A.; Radivojević, P.
- Roth, H. D.: vidi Haddon, R. C.
- Rupnik, K.: vidi Maksić, Z. B.
- Rusjakovski, B.: vidi Kobe, J.
- Ružić-Toroš, Z.: vidi Kojić-Prodić, B.
- Sahni, S. K.: vidi Dua, S. K.
- Schäfer, H.: vidi Brničević, N.
- Schomaker, V.: vidi Elia, A. E.
- Sevdić, D.: vidi Herceg, M.
- Sgarabotto, P.: vidi Matijašić, I.
- Sha, W. C.: vidi Burdett, J. K.
- Sherrod, R. E.: vidi Bloor, J. E.
- Siew, P. Y.: vidi Alyea, E. C.
- Sikirica, M.: vidi Korpar-Čolig, B.
- Silvestre, J.: vidi Kang, S.-K.
- Simeon, V.I.: vidi Raos, N.
- Simonetta, M.: vidi Ortoleva, E.
- Skancke, P. N.: A Molecular-Orbital Study of the Thermal Walk Rearrangement of Bicyclo[2.1.0]pent-2-ene (OP) . . . . . 1445
- Snatzke, G.: vidi Kojić-Prodić, B.
- Sokolowska, A.: vidi Krygowsky, T. M.
- Spanget-Larsen, J.: Breakdown of the One-Electron Picture of Ionization for Hydrocarbon  $\pi$ -Systems (OP) . . . . . 991
- Stanley, A. E.: vidi Colombo, L.
- Stradella, O. G.: vidi Villar, H. O.
- Strajnar, F.: vidi Težak, Đ.
- Struchkov, Y. T.: vidi Kužmina, L. G.
- Stubićar, M.: vidi Težak, Đ.
- Sundell, R.: vidi Beno, M. A.
- Sunko, D. E.: vidi Ladika, M.
- Surján, P. R.: The Representation of the Chemical Bond in Quantum Chemical Calculations (OP) . . . . . 833
- Szarka, M.: vidi Lasić, D. D.
- Szentpály, L. v. and Herndon, W. C.: A Comparison of Pencil and Paper Procedures, PMO, Free Electron PMO, and Structure-Resonance Theory Calculations of Proton Affinities (OP) . . . . . 1621



Szitula, A.: vidi Pušelj, M.	
Šarčević, D.: vidi Težak, Đ.	
Ščavničar, S.: vidi Ballić Žunić, T.	
Šegedin, P.: vidi Golić, Lj.	
Šimaga, S.: vidi Sunjić, V.	
Šimunić, B.: vidi Đokić, S.	
Škarić, V. and Škarić, Đ.: Novel Syntheses of Thiazolo[3,2-a]pyrimidin-7-ones (PC)	183
Škarić, V. Pavela-Vrančić, M. and Matulić-Adamić, J.: Stereoselective Transformations in the Thymidine Series (OP)	415
Škarić, Đ.: vidi Škarić, V.	
Šljukić, M.: vidi Galešić, N.	
Šolmajer, T.: vidi Hadži, D.	
Špirko, V.: vidi Kellö, V.	
Sunjić, V., Šimaga, S. and Vitale, Lj.: The Synthesis and Angiotensin Converting Enzyme Inhibitory Activities of <i>N</i> -[(3-Substituted)aminocarbonyl]-propanol-1-prolines (OP)	251
Tabor, Z.: vidi Biruš, M.	
Težak, Đ., Strajnar, F., Šarčević, D., Milat, O. and Stubičar, M.: Solid/Liquid Equilibria in Aqueous Systems of Dodecyl Benzene Sulphonate and Alkaline Earth Ions (OP)	93
Thulstrup, E. W.: Interpretation of Optical Spectra of Partially Aligned Samples (AR)	1667
Tomasi, J.: vidi Persico, M.	
Tomescu, I.: vidi Balaban, A. T.	
Tomić, M.: vidi Djokić, S.	
Tonachini, G.: vidi Bernardi, F.	
Topić, M. and Moguš-Milanković, A.: A Multiple Thermal Analysis of Ammonium Heptamolybdate Tetrahydrate (OP)	75
Topić, M.: vidi Galešić, N.	
Trinajstić, N.: vidi El-Basil, S.; Grzonka, M.	
Trindle, C.: The Hierarchy of Models in Chemistry (OP)	1231
Turk, V.: vidi Babnik, J.	
Tušek-Božić, Lj. and Božić, B.: Conductance Study of Ion-Pairing of Alkali Picrate and Tetraphenylborate Complexes with Some Macrocyclic Polyethers in Methanol (OP)	119
Vasić-Rački, Đ.: Immobilization of Yeast Alcohol Dehydrogenase on Weakly Basic Anion Exchange Resin Beads (OP)	305
Villar, H. O., Stradella, O. G., Cachau, R. E. and Castro, E. A.: Some Comments on the Nucleation Phenomena (OP)	1417
Vitale, Lj.: vidi Sunjić, V.	
Vladimirov, S.: vidi Kálmán, A.	
Vogler, H.: Donor-Acceptor Cyclophanes with Biradical-Ionic Ground States (OP)	325
Vogler, H.: A Theoretical Study of the <sup>1</sup> H-Chemical Shifts of [4n]- and [4n+2]Annulenes and their Di- and Tetraanions (OP)	1177
Volatron, F., Jean, Y. and Anh, Nguyễn T.: The Role of Lone Pairs in Heteroatomic Chemistry. Graphical Analysis and <i>Ab Initio</i> Calculations of Oxirane and Aziridine Ring Opening (OP)	1461
Vranešić, B.: vidi Mulac-Jeričević, B.	
Vučković, D. Lj. and Vujišić, Lj.: Structure and Properties of Small Ring Propellanes by the IMO Method (OP)	801

## XXIV

- Vujić, Lj.: vidi Vučković, D. Lj.
- Watson, W. H. and Holley, W. W.: The Structure of Four Complexes of 2,2,6,6-Tetramethyl-3,5-heptanedione Containing One, Four, Four and Nine Cu(II) Ions (OP) . . . . . 467
- Weinberg, N. N.: vidi Basilevsky, M. V.
- Weiss, R.: vidi Doppelt, P.
- Whithead, M. A.: vidi Koukoulas, A.
- Wieckowski, T.: vidi Krygowski, T. M.
- Willett, R. D. and Geiser, U.: Structural Characteristics of  $ACuCl_3$  Salts (OP) 737
- Williams, J. M.: vidi Beno, M. A.
- Zhulin, V. M.: vidi Basilevsky, M. V.
- Zilles, B. A.: vidi Politzer, P.
- Živanov-Stakić, D.: vidi Kálmán, A.
- Živković, T. P.: Splitting of the Configuration Interaction Space  $X_n$  into Two Complementary Subspaces (OP) . . . . . 367
- Živković, T. P.: The Splitting Theorem and Properties of Alternant Systems (OP) . . . . . 1553
- Živković, T. P.: Antialternant Perturbations of Alternant Systems (OP) . . 1575
- Yang, Z.-z.: vidi Honegger, E.

